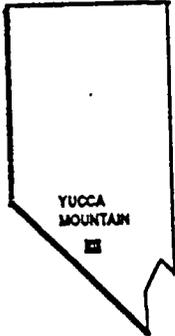


U. S. DEPARTMENT OF ENERGY

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YUCCA MOUNTAIN

SITE CHARACTERIZATION

PROJECT

Status of the Licensing Support System

PRESENTED TO
NUCLEAR REGULATORY COMMISSION

PRESENTED BY
Stephan J. Brocoum
Assistant Manager for Suitability & Licensing

MAY 12, 1995

Introduction

- **The DOE has made the development of the LSS a high priority, and a component of the overall licensing strategy.**
- **As a result, the DOE has made significant progress in recent months toward the development of the LSS with the:**
 - **Identification of a preferred LSS Configuration**
 - **Completion of the Level 1 systems requirements document**
 - **Initiation of the Analysis of Benefits and Cost activity**

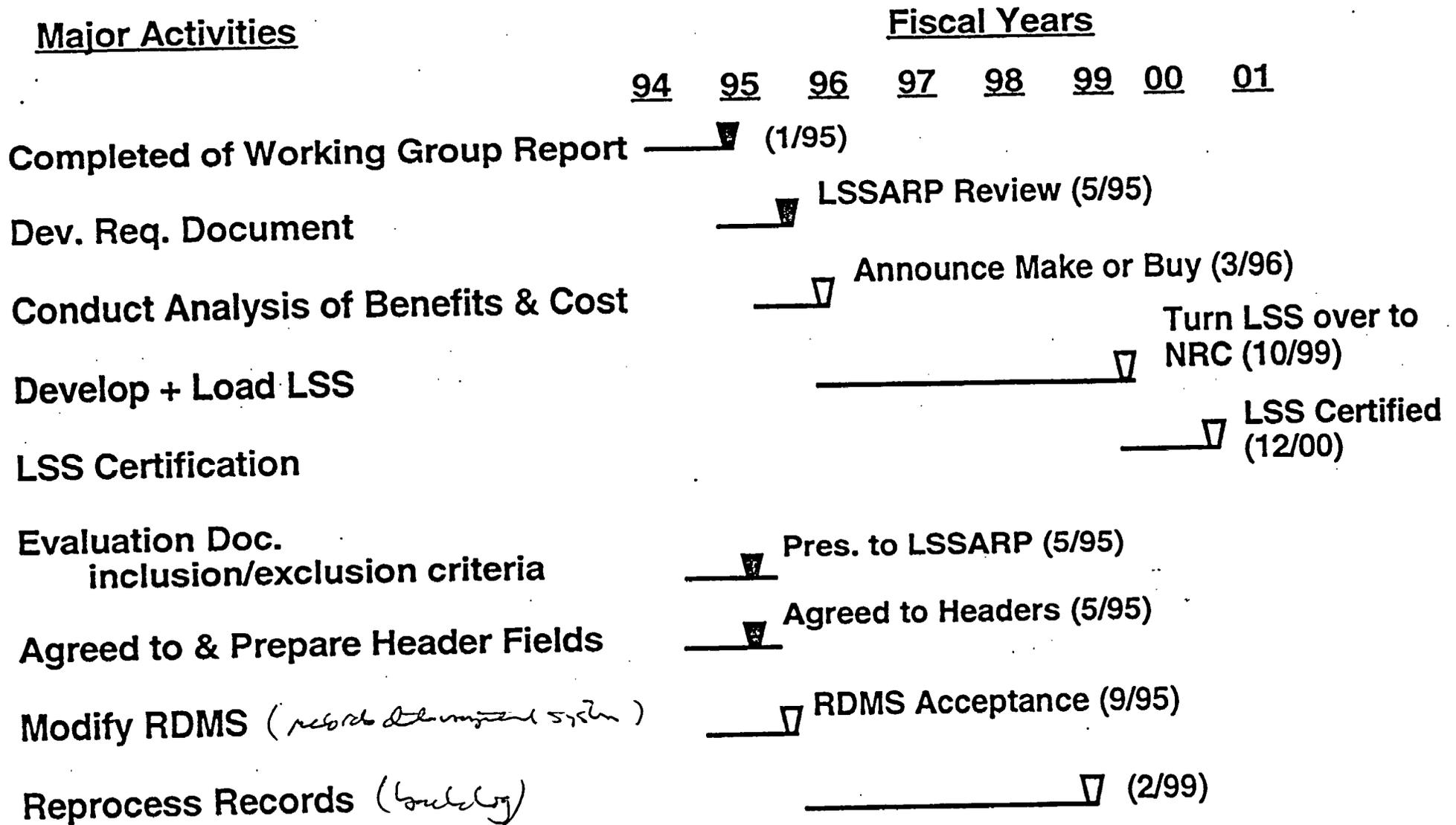
Introduction (contd)

- **My Statement for the Record addresses a number of topics that focus on progress toward the development, functionality and operation of the LSS. This briefing addresses the following in greater detail:**
 - **LSS option selected for development**
 - **LSS development schedule and near-term activities including development of DOE/NRC MOUs**
 - **Funding profile through 2004**
 - **Memorializing the bases of decision**
 - **The LSS as a dual system**

LSS Option Selected for Development

- **A number of options were developed by the LSS Working Group to evaluate a range of LSS operational concepts. From among these options DOE has selected an option which is characterized by:**
 - **Electronic imaging capture**
 - **Full text capture and retrievability using optical character recognition technologies**
 - **Text that is electronically corrected without significant human intervention**
 - **Dissemination of image and text by electronic transmission**
- **The option selected meets the intent of 10CFR2 Subpart J**

LSS Development Schedule



LSSARP access to prototype - *budgeting*
 started - July 1995

Near-Term Activities

Activities supporting this schedule include:

- **Negotiate an MOU with NRC for the LSS design and development phase by June 1995, followed by MOUs for:**
 - **transition phase (November 1995)**
 - **operating phase (May 1996)**
 - **period after approval of the license to construct (October 1996)**

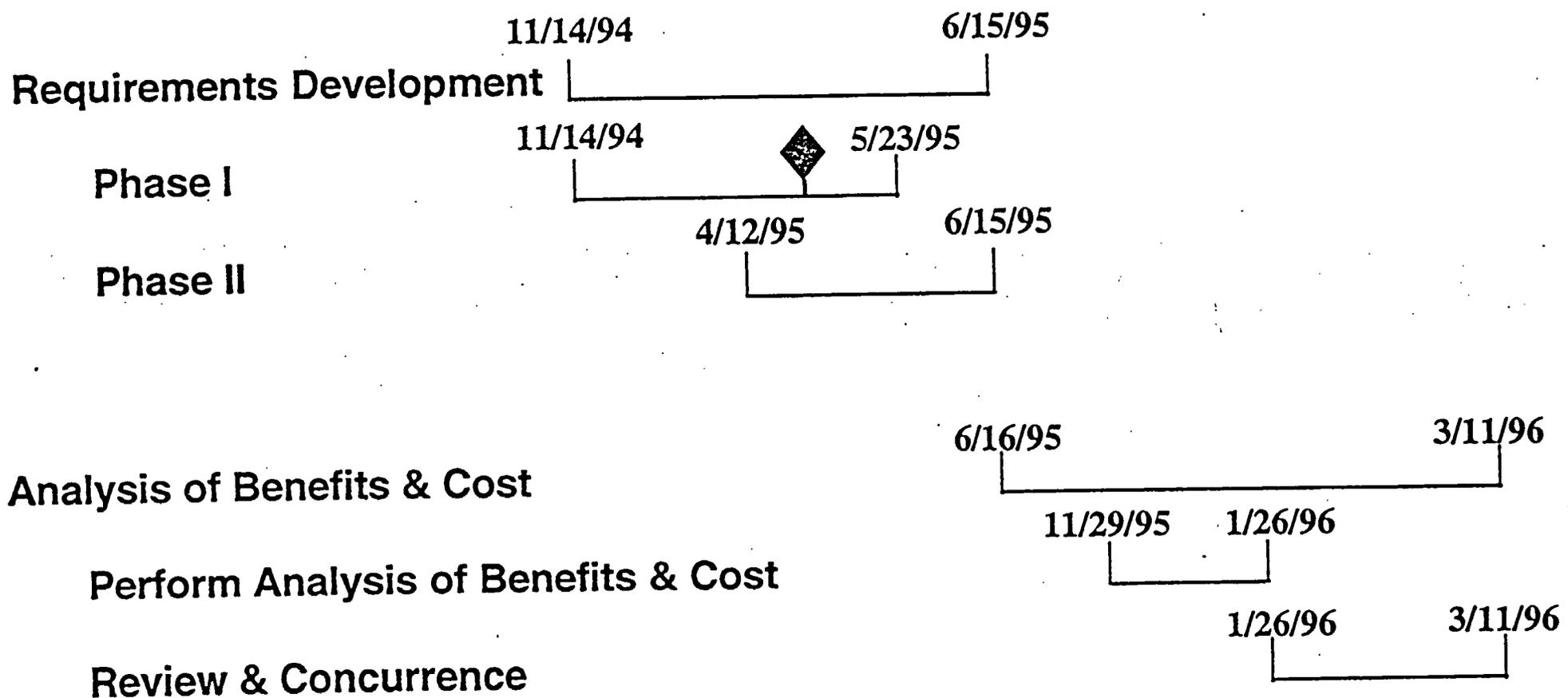
- **Complete the lower tier LSS requirements to support the Analysis of Benefits and Cost, and detailed design of the LSS (June 1995)**

Near-Term Activities (contd)

- **Complete Analysis of Benefits and Costs and begin next steps in design and development (March 1996)**
- **Develop a means by which LSSARP participants can access DOE computers for header information on growing set of imaged documentary material (July 1995)**
- **Continue to consult with the LSSARP, in the decision making process for developing and implementing the LSS; e.g., Administrative Record, priority loading**

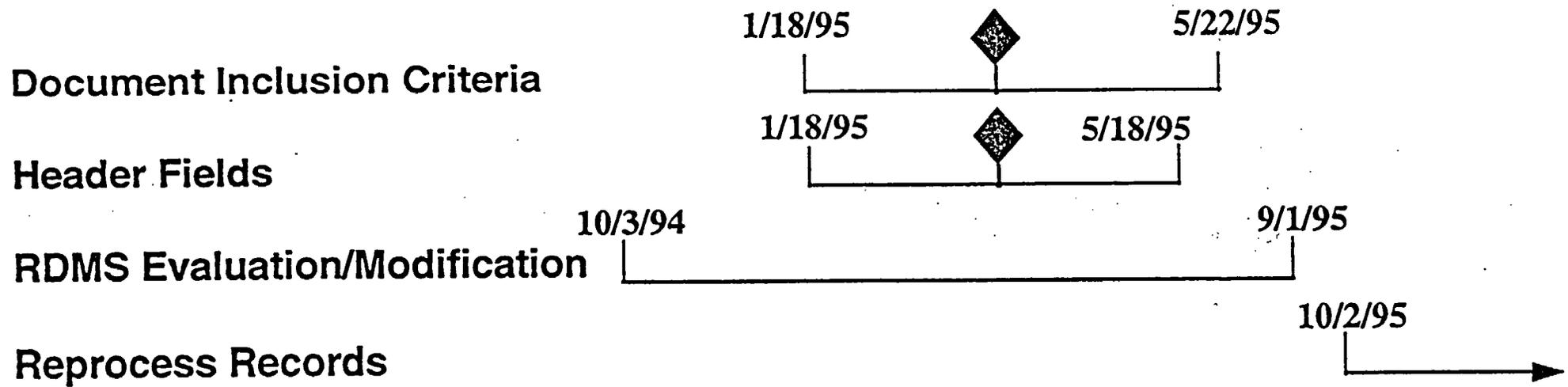
DOE decision records

Near Term Schedules



◆ 4/17 LSS ARP TWG Concurrence Completed

Near Term Schedules



◆ March 22, 1995 LSS ARP Concurrence Completed

Funding

The cost analysis done by the LSS Working Group has been the basis for the LSS and RMS budgets in the Program Plan. The current planning includes:

- **LSS Budget Profile (\$M)**

<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>	<u>FY00</u>	<u>FY01</u>	<u>FY02-04</u>	
2.7	3.1	8.5	0.8	0.8	---	---	DOE
---	---	6.6	6.8	6.8	7.4	20.0	NRC

- **Costs of Records Management System (\$M)**

<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>	<u>FY00</u>	<u>FY01</u>	
11.4	5.7	3.8	3.1	3.3	3.0	(Does not include reprocessing costs)

Memorializing Bases of Decision

- **The ability to trace and understand the bases for decisions is a concern for the licensing process.**
- **Administrative records for decisions and actions are a part of the document system holdings (RDMS) and will be a part of the LSS.**
- **The LSS will store, search, and retrieve existing information. The traceability linkages for the bases of decisions will be through references and decision memoranda in the LSS.**
- **Identifying the proper set of key words in a query will provide the information necessary for tracing a decision process.**

Memorializing Bases of Decision (contd)

- **The following is an example of how this can be done:**
 - **A decision was made to modify the ESF plan; ramps instead of vertical shafts**
 - **The records management system was queried for the administrative record for the acceptance of the revised Title I Design Summary for the Exploratory Studies Facility**

Query: Letters and memoranda signed by John Bartlett between Mid 1990 and Mid 1992.

Memorializing Bases of Decision (contd)

- The query produced a memorandum “acceptance of revised Title I - Design Summary Report for the Exploratory Studies Facility.” This memorandum led to a collection of material supporting the decision.**
 - 4 Decision Documents**
 - 1 Approval Document**
 - 9 Related Documents**

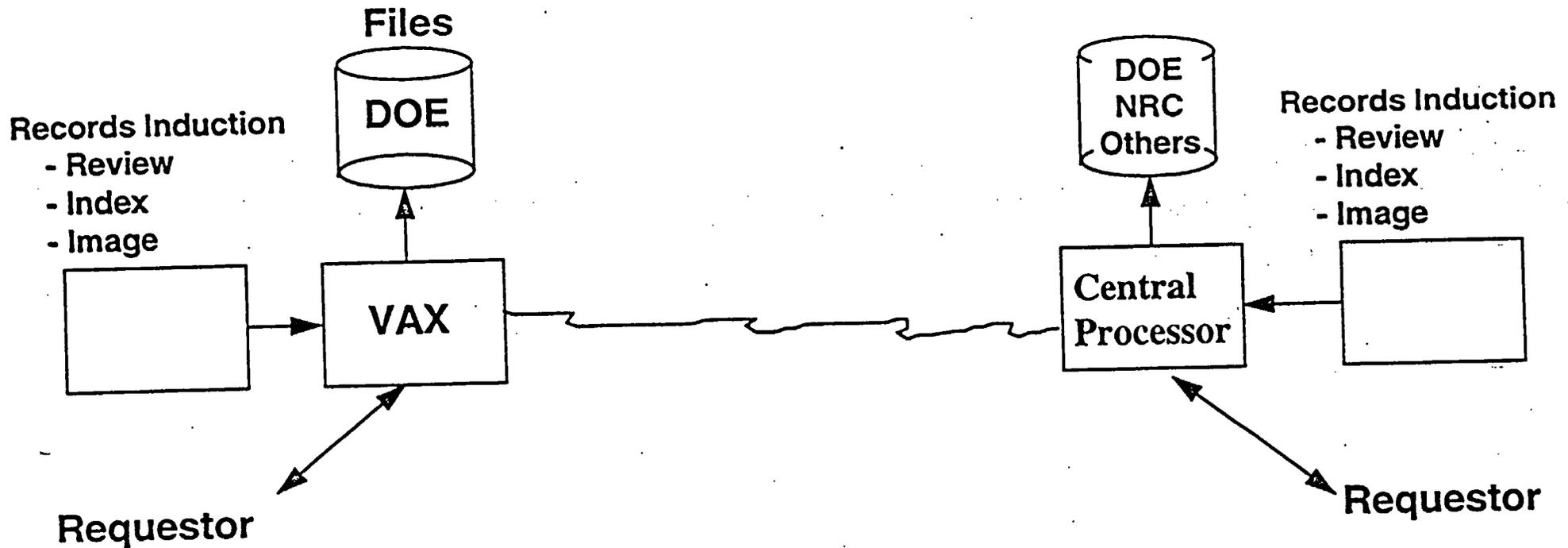
LSS as a Dual System

- **The concept of the LSS as a dual use system for the licensing process and as the DOE records management system is not practical given the following reasons:**
 - **There are no appreciable cost savings**
 - **DOE must retain responsibility for its own records**
 - **RMS is not a dedicated system –**

LSS as a Dual System Separate Systems

DOE Records Management System

LSS



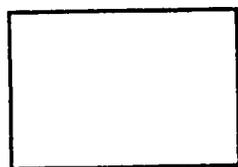
- Vax supports 40 additional systems

LSS as a Dual System Single System

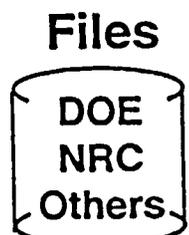
DOE Records Management

Records Induction

- Review
- Index
- Image



Requestor



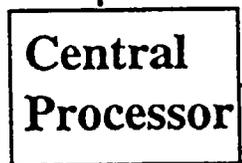
^{DVC}
LSS

Records Induction

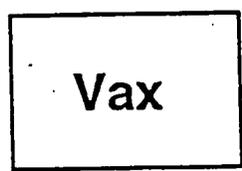
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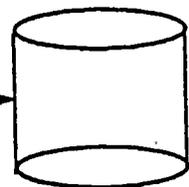
Requestor



Other Support



Files



Savings

- Disc storage not duplicated
- No duplication of records

Costs

- Added disc storage
- Additional traffic volume

Conclusion

- **The purpose of this briefing was to address questions about the status of the LSS:**
 - **LSS Option Selected for Development**
 - **LSS Development Schedule and near-term activities**
 - **Funding Profile through 2004**
 - **Memorializing the bases of decision**
 - **LSS as a dual system**
- **The DOE is working with the NRC staff to develop MOUs that will assure appropriate interactions throughout the LSS lifecycle.**